

Name: _____

4.4: Multiplying Special Cases

Teacher: _____

Algebra Pd: _____

Day Month Year

Part One: Multiply. Write each resultant polynomial in simplified, standard form.

1. $(x + 3)^2$	2. $(x - 3)^2$	3. $(x + 3)(x - 3)$
4. $(4y + 6)^2$	5. $(4y - 6)^2$	6. $(4y + 6)(4y - 6)$
7. $(x^2 - 3)^2$	8. $(x^2 + 3)^2$	9. $(x^2 + 3)(x^2 - 3)$

Part Two: Algebraic Sentences

Why is the special case $(a - b)(a + b) = a^2 - b^2$ called the difference of two squares?
